

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S5	2	("4874588").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/18 10:58
S6	2	(solvent near3 (MDF or MDFA or DMAc or DMSO or MDAA or dimethylformamide or dimethylacetamide or sulfoxide or dimethylsulfoxide or (dimethyl adj formamide) or (dimethyl adj acetamide) or (dimethyl adj sulfoxide))) same ((methacylamide or acrylamide) with (polymer or copolymer or monomer)) same (\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) same (react\$3 or synthesi\$3 or polymeriz\$4 or mix\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 11:40
S7	2	(solvent near3 (MDF or MDFA or DMAc or DMSO or MDAA or dimethylformamide or dimethylacetamide or sulfoxide or dimethylsulfoxide or (dimethyl adj formamide) or (dimethyl adj acetamide) or (dimethyl adj sulfoxide))) same ((methacylamide or acrylamide) with (polymer or copolymer or monomer)) same ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13") same (react\$3 or synthesi\$3 or polymeriz\$4 or mix\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 11:42

S8	34271	((methacrylamide or acrylamide or polymer or copolymer or monomer) with (contain\$3 or hav\$3 or compris\$3 or attach\$4) with (\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 11:52
S9	28111	((methacrylamide or acrylamide or polymer or copolymer or monomer) near3 (contain\$3 or hav\$3 or compris\$3 or attach\$4) near3 (\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 11:53
S10	379	S9 and (solvent same (MDF or MDFA or DMAc or DMSO or MDAA or dimethylformamide or dimethylacetamide or sulfoxide or dimethylsulfoxide or (dimethyl adj formamide) or (dimethyl adj acetamide) or (dimethyl adj sulfoxide))) and ((methacrylamide or acrylamide) with (polymer or copolymer or monomer)) and ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 11:54

S11	127	S9 and (solvent with (MDF or MDFA or DMAc or DMSO or MDAA or dimethylformamide or dimethylacetamide or sulfoxide or dimethylsulfoxide or (dimethyl adj formamide) or (dimethyl adj acetamide) or (dimethyl adj sulfoxide))) and ((methacylamide or acrylamide) near (polymer or copolymer or monomer)) and ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 11:55
S12	678454	((((methacylamide or acrylamide) near2 (polymer or copolymer or monomer)) near3 (contain\$3 or hav\$3) near3 (\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 12:10
S13	16	((((methacylamide or acrylamide) near2 (polymer or copolymer or monomer)) near3 (contain\$3 or hav\$3 or consist\$3 or includ\$3) near3 ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 12:12

S14	2	S13 and (solvent with (MDF or MDFA or DMAc or DMSO or MDAA or dimethylformamide or dimethylacetamide or sulfoxide or dimethylsulfoxide or (dimethyl adj formamide) or (dimethyl adj acetamide) or (dimethyl adj sulfoxide))) and ((methacrylamide or acrylamide) near (polymer or copolymer or monomer)) and ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 12:13
S15	14	S13 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 12:15
S16	12	((("4526728") or ("3823124") or ("3351617"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/18 12:33
S17	2	("3823124").URPN.	USPAT	AND	ON	2008/06/18 13:00
S18	91	(phosph\$5 near4 group) with (attach\$4 or bond\$4 or connect\$3 or chain or side) with \$4acrylamide	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 13:47
S19	1485	(phosph\$5 near4 group) with (attach\$4 or bond\$4 or connect\$3 or chain or side) with amide	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 13:48
S20	43	(phosph\$5 near4 group) with directly near2 (attach \$4 or bond\$4) with amide	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 13:49
S21	1	S13 and S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 13:49

S22	33	((methacylamide or acrylamide) near2 (polymer or copolymer or monomer)) near3 (contain\$3 or hav\$3 or consist\$3 or includ\$3) near3 (((phosphor\$4 or phosph\$4) near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosph\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:00
S23	1	S22 and ((phosph\$5 near4 group) with (attach\$4 or bond\$4) with ((nitrogen or N) near atom))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:01
S24	887	((phosph\$5 near4 group) with (attach\$4 or bond\$4) with ((nitrogen or N) near atom))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:01
S25	113	((phosph\$5 near4 group) with (attach\$4 or bond\$4) with ((nitrogen or N) near atom) with (amide or \$4acrylamide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:02
S26	1	((phosph\$5 near4 group) with (attach\$4 or bond\$4) with ((nitrogen or N) near atom) with (\$4acrylamide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:03
S28	1140	(solvent same (MDF or MDFA or DMAc or DMSO or MDAA or dimethylformamide or dimethylacetamide or sulfoxide or dimethylsulfoxide or (dimethyl adj formamide) or (dimethyl adj acetamide) or (dimethyl adj sulfoxide))) and ((methacylamide or acrylamide) near (polymer or copolymer or monomer)) and ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:04
S29	1	S25 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:04

S30	21	S28 and ((attach\$4 or bond \$4) with ((nitrogen or N) near atom) with (amide or \$4acrylamide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:05
S31	1	polyphosph\$4 near \$4acrylamide with (formula or structure)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:20
S32	10	polyphosph\$4 near \$4acrylamide	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:20
S33	23	((methacrylamide or acrylamide) near2 (polymer or copolymer or monomer)) near3 (contain\$3 or hav\$3 or consist\$3 or includ\$3) near3 ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosp\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:24
S34	23	((methacrylamide or acrylamide) near2 (polymer or copolymer or monomer)) near3 (contain\$3 or hav\$3 or consist\$3 or includ\$3) near3 ((\$4phosphor\$3 near (acid or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosp\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:32
S35	61	(methacrylamide or acrylamide) near3 (contain\$3 or hav\$3 or consist\$3 or includ\$3) near3 ((\$4phosphor\$3 near (acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosp\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:44

S36	41118	((bond\$3 or react\$3 or attach\$4 or side?chain or side) with (amide or nitrogen or "N") with ((\$4phosphor\$3 near (acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosph\$4 or dipyrophosph\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:49
S37	10	S35 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 14:50
S38	18	("2709156"   "2901481"   "3238202"   "3265773"   "3845171"   "3933945"   "3991140"   "4032461"   "4162279"   "4177300"   "4208357"   "4282171"   "4670169").PN. OR ("4921992").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/18 15:00
S39	24	((bond\$3 or react\$3 or attach\$4 or side?chain or side) with ((nitrogen or "N") near3 atom) with ((\$4phosphor\$3 near (acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosph\$4 or dipyrophosph\$4)) with \$4acrylamide	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 15:10
S40	27	("3284393"   "3372149"   "3957739"   "4038233"   "4064091").PN. OR ("4152307").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/18 15:23
S41	13	S40 and (phosph\$5)	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/18 15:27
S42	1821	(phosph\$4 or phosphor\$4 or phosphon\$4 or phosphin\$4) near3 ((nitrogen or "N") near2 atom) near3 (bond\$3 or react\$3 or contain\$3 or hav\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/18 15:33

S43	411	(phosph\$4 or phosphor\$4 or phosphon\$4 or phosphin\$4) near ((nitrogen or "N") near2 atom) near (bond\$3 or react\$3 or contain\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/18 15:33
S44	0	(phosph\$4 or phosphor\$4 or phosphon\$4 or phosphin\$4) near ((nitrogen or "N") near2 atom) near (bond\$3 or react\$3 or contain\$3) with (\$4acrylamide or "(methyl)acrylamide")	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/18 15:34
S45	390	S43 not S40 not S39 not S38 not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 15:35
S46	3	S45 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 15:36
S47	2	("4797185").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/18 16:07
S48	83	(methacrylamide or \$4acrylamide or "(methyl)acrylamide") with (amide near3 group) with (bond\$3 or react\$3 or attach\$4 or side?chain or chian or contain\$3 or hav\$3 or consist\$3 or includ\$3) with ((\$4phosphor\$3 near (acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosp\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 17:31
S49	15	(methacrylamide or \$4acrylamide or "(methyl)acrylamide") with (amide near3 group) with (bond\$3 or react\$3 or attach\$4 or side?chain or chian) with ((\$4phosphor\$3 near (acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosp\$4 or	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 17:32



		dipyrophosph\$4)				
S50	20	("4120840"   "4230608"   "4277359"   "4443340"   "4446028"   "4446046"   "4499002"   "4566973"   "4650591"   "4702849"   "4708815"   "4857205"   "4863614"   "4874588"   "4880007"   "4886617"   "4904413"   "5023368"   "5069798").PN. OR ("5342539").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/18 17:57
S51	111	(amide near3 group) near3 (bond\$3 or react\$3 or attach \$4 or side?chain or chian) near3 ((\$4phosphor\$3 near (acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O. sub.5" or "POCl.sub.3" or "H. sub.3PO.sub.4" or "H. sub.4P.sub.2O.sub.7" or "H. sub.6P.sub.4O.sub.13" or phosphor\$4 or phosp\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 18:33
S52	65	S51 and (methacylamide or \$4acrylamide or ?methyl? acrylamide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 18:35
S53	62	S52 not S50 not S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 18:41
S54	4	(amide near3 group) near3 (nitrogen or "N") near3 (bond\$3 or react\$3 or attach \$4 or side?chain or chian) near3 ((\$4phosphor\$3 near (acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O. sub.5" or "POCl.sub.3" or "H. sub.3PO.sub.4" or "H. sub.4P.sub.2O.sub.7" or "H. sub.6P.sub.4O.sub.13" or phosphor\$4 or phosp\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 18:41

S55	1591	((amide near3 group) or nitrogen) near3 (bond\$3 or attach\$4 or connect\$3) near3 ((\$4phosphor\$3 near (group or acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosph\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 19:12
S56	155	((amide near3 group) or (nitrogen near atom)) near2 (bond\$3 or attach\$4 or connect\$3) near2 ((\$4phosphor\$3 near (group or acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosph\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 19:13
S57	16	((amide near3 group) or (nitrogen near atom)) near2 directly near2 (bond\$3 or attach\$4 or connect\$3) near2 ((\$4phosphor\$3 near (group or acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13" or phosphor\$4 or phosph\$4 or dipyrophosph\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 19:14
S58	4	((amide near3 group) or (nitrogen near atom)) near2 directly near2 (bond\$3 or attach\$4 or connect\$3) near2 ((\$4phosphor\$3 near (group or acid or (acid near triester) or anhydride or oxychloride or trichloride)) or "P.sub.2O.sub.5" or "POCl.sub.3" or "H.sub.3PO.sub.4" or "H.sub.4P.sub.2O.sub.7" or "H.sub.6P.sub.4O.sub.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/18 19:23

S59	579	(564/204).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/24 13:27
S60	4	S59 and (phosph\$5 with (nitrogen or (N adj atom)) with (bond\$3 or react\$3 or contain\$3 or hav\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/24 13:29
S61	5	S59 and (phosph\$5 with (nitrogen or (N adj atom)) with (bond\$3 or react\$3 or contain\$3 or hav\$3 or attach \$4))	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/24 13:29
S62	1	S59 and (phosph\$5 with (nitrogen or (N adj atom)) with (bond\$3 or react\$3 or contain\$3 or hav\$3 or attach \$4) with (amino or amide))	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/24 13:33
S63	5807	(phosph\$5 with (nitrogen or (N adj atom)) with (bond\$3 or react\$3 or contain\$3 or hav\$3 or attach\$4) with (amino or amide))	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/24 13:33
S64	12	S59 (phosph\$5 with (bond \$3 or react\$3 or contain\$3 or hav\$3 or attach\$4) with (amino or amide))	US-PGPUB; USPAT; USOCR	AND	ON	2008/06/24 13:34
S65	10	S63 and (phosph\$5 near4 (acrylamide or methacrylamide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/24 13:42
S66	130	S63 and (phosph\$5 with (acrylamide or methacrylamide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/06/24 13:42

6/ 25/ 2008 10:33:27 AM

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